

**Rahmjoo, Manuchehr**

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**From:** Reynolds, Pamela  
**Sent:** Wednesday, September 15, 2004 2:39 PM  
**To:** Rahmjoo, Manuchehr  
**Subject:** FW: Hurricane graphic

Mike

Please see the NOAA response below. They are occupied with IVAN at this itme.

Do you need anything else related to our initial request?

Thanks

Pam

-----Original Message-----

**From:** Reynolds, Pamela  
**Sent:** Wednesday, September 15, 2004 2:38 PM  
**To:** Krueger, Scott  
**Subject:** RE: Hurricane graphic

Scott

Thank you for responding. I am not able to open the attachment you sent with .vcf extension - is it a document for us?

I will send to the Examiner your note below. If he needs anything further I will email you again.

Pamela Reynolds  
USPTO

-----Original Message-----

**From:** Krueger, Scott  
**Sent:** Wednesday, September 15, 2004 2:31 PM  
**To:** Reynolds, Pamela  
**Subject:** Hurricane graphic

Pamela:

The National Hurricane Center forwarded your email to me since they are dealing with the hurricane Ivan. I should be able to help and if not I can talk to the appropriate people in the National Weather Service (NWS).

You may need specific information which we can try to obtain but here's some background on the strike probability graphic.

The text version from which the graphic is created was developed in the 1980s. The graphic was used as a briefing tool to NWS users/customers in 1995. We don't know for sure when it was placed on the web except to bracket it between 1995 and 1998.

Sorry we don't have more details but perhaps this will help.  
Scott

File 344:Chinese Patents Abs Aug 1985-2004/May

(c) 2004 European Patent Office

File 347:JAPIO Nov 1976-2004/May(Updated 040903)

(c) 2004 JPO & JAPIO

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200458

(c) 2004 Thomson Derwent

Set	Items	Description
S1	11102	(COLOR OR COLOUR) (3N) (CODED OR CODE OR CODING OR SHAD???)
S2	2593	S1 AND (REPRESENT? OR VIEW OR BLOCK?? OR DIAGRAM? OR GRAPH- ?? OR CHART? OR MAP??)
S3	442	S2 AND (HUE OR HUES OR BRIGHTNESS OR DARKNESS OR LIGHT?)
S4	68370	WEATHER OR STORM?? OR HURRICANE?
S5	2048978	(DATA OR BAROMETRIC() PRESSURE? OR WINDS OR RAIN OR CENTER)
S6	565667	(S4 OR S5) AND (INTENSIT? OR SIGNIFICAN? OR VALUE?? OR MEA- SUREMENT?? OR CHANG? OR ALTER? OR PROGRESS? OR TREND??)
S7	0	STORM(3N) TRACK?(3N) (PLOT OR PLOTS OR PLOTTING) AND (PROBAB- IL? OR PREDICT?)
S8	55	(EXOGENOUS OR ECONOMIC) (3N) (VARIABLE?? OR VARIAT?)
S9	1115	STATISTIC?(3N) SIGNIFICAN?
S10	2	BAR(3N) GRAPH?? AND ASSET??
S11	745	AU=(PHILLIPS, G? OR PHILLIPS G? OR RICE, M? OR RICE M? OR - KLEIN, S? OR KLEIN S? OR JENNINGS, W? OR JENNINGS W? OR FINDL- AY, M? OR FINDLAY M?)
S12	59	S3 AND S6
S13	0	S12 AND TRACK? AND (PLOT OR PLOTS OR PLOTTING) AND (PROBAB- IL? OR PREDICT?)
S14	0	S12 AND (PLOT OR PLOTS OR PLOTTING) AND (PROBABIL? OR PRED- ICT?)
S15	0	S8 AND S9 AND S10
S16	15	S12 AND AD=20000713:20040914/PR
S17	44	S12 NOT S16
S18	44	IDPAT (sorted in duplicate/non-duplicate order)
S19	44	IDPAT (primary/non-duplicate records only)
S20	4	S19 NOT DATA
S21	7	S3 AND S4
S22	5	S21 NOT S19
S23	8	NOAA
S24	0	S23 AND S2
S25	4085	(WEATHER OR STORM?? OR HURRICANE?) AND (BAROMETRIC() PRESSU- RE? OR WINDS OR RAIN OR CENTER)
S26	3622881	(INTENSIT? OR SIGNIFICAN? OR VALUE?? OR MEASUREMENT?? OR C- HANG? OR ALTER? OR PROGRESS? OR TREND??)
S27	693	S25 AND S26
S28	0	S1 AND S27
S29	19	S27 AND (MAPS OR MAPPING OR GRAPH?? OR MAP)
S30	19	S29 NOT (S12 OR S23)
S31	139352	IC=G06T?
S32	1	S30 AND S31
S33	0	S8 AND S9
S34	553	S4 AND GRAPH?
S35	10	S34 AND TRACK???
S36	1	S35 AND (PROBABIL? OR PREDICT?)
S37	1	S36 NOT (S29 OR S12 OR S23)
S38	1	S11 AND S2
S39	0	S38 NOT ULTRASONIC
S40	0	S11 AND S9
S41	1	S11 AND S8

10/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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08021074 \*\*Image available\*\*  
SYSTEM, METHOD AND PROGRAM FOR DISPLAYING BALANCE SHEET

PUB. NO.: 2004-133833 [JP 2004133833 A]  
PUBLISHED: April 30, 2004 (20040430)  
INVENTOR(s): SHISHIGAKURA HIROFUMI  
HIKI KENJI  
APPLICANT(s): KAGOSHIMA BANK LTD  
FUTURE SYSTEM CONSULTING CORP  
APPL. NO.: 2002-299862 [JP 2002299862]  
FILED: October 15, 2002 (20021015)

ABSTRACT

... financial data about a prescribed settlement term of a prescribed customer, displays a plurality of **bar graphs** with different sizes time sequentially for each collective **assets** amount on the basis of various read data, sorts out the plurality of respective **bar graphs** in a vertical axis direction with one on a debit side and the other on...

10/3,K/2 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015339589 \*\*Image available\*\*  
WPI Acc No: 2003-400527/200338

**Personal financial planning diary**

Patent Assignee: CHOI L S (CHOI-I); CHOI R S (CHOI-I)  
Inventor: CHOI L S; CHOI R S  
Number of Countries: 001 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2003011461	A	20030211	KR 200146924	A	20010803	200338 B
KR 419701	B	20040221	KR 200146924	A	20010803	200442

Priority Applications (No Type Date): KR 200146924 A 20010803

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2003011461	A		1	B42D-015/00	
KR 419701	B			B42D-015/00	Previous Publ. patent KR 2003011461

Abstract (Basic):

... A personal financial planning diary is provided to systematically perform management of **assets** and liabilities according to financial goal and current financial condition of a user by maintaining...

... according to types of account, and total amount of the cash is drawn up; an **assets** list framing surface which is divided into columns so that types of **assets** bought by the user, purchase price and total amount thereof are drawn up per each...

...conditions of the net worth are represented by illustrating the calculated net worth in a **bar graph**, and present income/expenses situation and debt ratio of the user are represented...

?

20/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013766844 \*\*Image available\*\*

WPI Acc No: 2001-251055/200126

Related WPI Acc No: 2000-263805; 2000-263806; 2000-263807; 2000-263811;  
2001-232551; 2001-251054

XRPX Acc No: N01-179382

**Image reader has determination unit which updates control value used to  
center light emitted from fluorescent lamp around preset position,  
for every shading measurement operation**

Patent Assignee: CANON KK (CANO ); ARAI K (ARAI-I); IKEDA T (IKED-I);  
ISHIMOTO K (ISHI-I); KURITA M (KURI-I); SATO H (SATO-I); SUGIURA T  
(SUGI-I)

Inventor: ARAI K; IKEDA T; ISHIMOTO K; KURITA M; SATO H; SUGIURA T

Number of Countries: 002 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001045233	A	20010216	JP 99221455	A	19990804	200126 B
US 20030197904	A1	20031023	US 99377562	A	19990819	200370
JP 3530780	B2	20040524	JP 99221455	A	19990804	200434
US 6757084	B2	20040629	US 99377562	A	19990819	200443

Priority Applications (No Type Date): JP 99221455 A 19990804; JP 98234120 A  
19980820; JP 98234121 A 19980820; JP 98234122 A 19980820; JP 98234123 A  
19980820; JP 99221454 A 19990804; JP 99221456 A 19990804

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2001045233	A	17	H04N-001/04	
US 20030197904	A1		H04N-001/48	
JP 3530780	B2	16	H04N-001/04	Previous Publ. patent JP 2001045233
US 6757084	B2		H04N-001/46	

**Image reader has determination unit which updates control value used to  
center light emitted from fluorescent lamp around preset position,  
for every shading measurement operation**

Abstract (Basic):

... A controller determines control value of fluorescent lamp  
based on amount of light emitted by lamp. Inverter controls  
fluorescent lamp based on calculated value, so that light emitted  
in one charge storage time is centered around preset position. Shading  
measurement is performed and shading correction value is computed.  
Determination unit updates control value for every shading  
measurement operation.

... By controlling the light emitted from lamp for every shading  
measurement operation, color slippage of the reading position along  
subscanning direction caused due to afterglow characteristics of the...

...The figure shows control waveform and afterglow characteristics of  
fluorescent lamp. (The diagram includes non-English language text...

...Title Terms: VALUE ;

20/3,K/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013547491 \*\*Image available\*\*

WPI Acc No: 2001-031697/200104

XRPX Acc No: N01-024829

**Color bar code label for printer, has several color strips having varying reflectivity and color intensity which are formed by blending combination of predetermined colors**

Patent Assignee: PRIMERA TECHNOLOGY INC (PRIM-N)

Inventor: CUMMINS R T; DUNHAM M K; HAGSTROM E; LILLAND K R; NORDUS B L; TOLRUD M R; CUMMINS R P; NORDHUS B L

Number of Countries: 023 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200065527	A1	20001102	WO 2000US10768	A	20000421	200104 B
AU 200046530	A	20001110	AU 200046530	A	20000421	200109
US 6354502	B1	20020312	US 99130872	P	19990423	200221
			US 99372826	A	19990812	

Priority Applications (No Type Date): US 99372826 A 19990812; US 99130872 P 19990423

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200065527	A1	E 33	G06K-007/12	
Designated States (National): AU CN JP KR				
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE				
AU 200046530	A		G06K-007/12	Based on patent WO 200065527
US 6354502	B1		G06K-007/10	Provisional application US 99130872

**Color bar code label for printer, has several color strips having varying reflectivity and color intensity which are formed by blending combination of predetermined colors**

Abstract (Basic):

... The label (15) has several color strips juxtaposed on its **center** front surface. Predetermined combination of colors are blended to form different color strips from one...

...sides are formed on the label. The colors are modulated to vary reflectivity and color **intensity** from one end to other end of the label.

... Usage visible black strips avoids counterfeiting of label. Continuous color tone makes reproducing exact color **hues** and **intensities** of label more difficult, thus preventing counterfeit...

...The figure shows the schematic **representation** of strips detector...

...Title Terms: **INTENSITY** ;

20/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013122835 \*\*Image available\*\*

WPI Acc No: 2000-294706/200026

XRAM Acc No: C00-089207

XRPX Acc No: N00-221076

**An optical element for use in lens, visors, protective screens and masks, has predetermined and different spectral characteristics in its upper and lower portions**

Patent Assignee: INTERCAST EURO SPA (INTE-N)

Inventor: BAIOCCHI P; IORI G; MARUSI G

Number of Countries: 025 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 992832	A1	20000412	EP 98203386	A	19981007	200026 B

Priority Applications (No Type Date): EP 98203386 A 19981007

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 992832	A1	E	17	G02C-007/10	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic):

... in opposite parts with respect to a median line (x-x) passing through the geometric **center** (C1, C2) of the element. In the lower portion (8) and at a distance of...

...is possible to substantially reduce the visual stress and optimize the capacity of perceiving objects **alternately** observed against backgrounds having high and low luminosity...

...The figure shows a perspective **view** of eyeglasses including lens shaped elements according to the invention...

Technology Focus:

... from the median line the factor of luminous transmittance is 8-20%. At the geometric **center** :  
(...

...3-40% along the median line and in the upper portion is substantially uniform or **progressively** decreases moving away from the median line to a **value** not lower than 3%. The luminous transmittance of the lower portion is substantially uniform starting...

...polyesters, and transparent polyamides. The lower portion (8) comprises a suitable substance to filter visible **light** , preferably comprising azobenzene or anthraquinone chromophore groups. The visible **light** filter material is especially 4-nitro-2'-methyl-4'-diethanolaminoazobenzene, 1-amino-2-phenoxy-4...

...1) a first substance (A) adapted to filter visible **light** , comprising azobenzene or anthraquinone chromophore groups; and...

...2) a second substance (B) to filter visible **light** comprising azobenzene or anthraquinone chromophore groups, such that the factor of luminous transmission is 3

Extension Abstract:

... gradually raised at a speed of 1 mm/min, so as to obtain a treatment **intensity** increasingly marked towards the upper end. Depending on the **color** nuance or **shading** off so obtained, the factor of luminous transmittance **changed** from **values** of from 10 to 20% at a reference point located at about 10 mm above the median line down to **values** of from 8 to 10% near the upper edge of the lens blanks.

20/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009712478 \*\*Image available\*\*

WPI Acc No: 1993-406031/199350

XRPX Acc No: N93-314210

**Automated vehicle training simulator with performance feedback -  
simulates road and weather conditions in response to driver actions,  
displaying image and information on video display**

Patent Assignee: ATARI GAMES CORP (ATAR-N)

Inventor: COPPERMAN N S; GRAY A S; WINBLAD W O

Number of Countries: 019 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9324915	A1	19931209	WO 93US4845	A	19930521	199350 B
US 5366376	A	19941122	US 92888375	A	19920522	199501
US 5368484	A	19941129	US 92888375	A	19920522	199502
			US 9318950	A	19930217	
EP 641471	A1	19950308	EP 93914054	A	19930521	199514
			WO 93US4845	A	19930521	
JP 7507402	W	19950810	WO 93US4845	A	19930521	199540
			JP 94500652	A	19930521	
US 5573402	A	19961112	US 92888375	A	19920522	199651
			US 94342711	A	19941121	
US 5607308	A	19970304	US 92888375	A	19920522	199715
			US 9318950	A	19930217	
			US 94334534	A	19941104	
US 5618179	A	19970408	US 92888375	A	19920522	199720
			US 94339478	A	19941114	
US 5618178	A	19970408	US 92888375	A	19920522	199720
			US 9318950	A	19930217	
			US 94334874	A	19941104	

Priority Applications (No Type Date): US 9318950 A 19930217; US 92888375 A 19920522; US 94342711 A 19941121; US 94334534 A 19941104; US 94334874 A 19941104; US 94339478 A 19941114

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9324915	A1	93	G09B-009/04		
					Designated States (National): JP
					Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
US 5366376	A	35	G09B-009/04		
US 5368484	A	20	G09B-009/04		CIP of application US 92888375
EP 641471	A1 E	29	G09B-009/04		Based on patent WO 9324915
					Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
JP 7507402	W		G09B-009/04		Based on patent WO 9324915
US 5573402	A	34	G09B-009/00		Div ex application US 92888375
					Div ex patent US 5366376
US 5607308	A	19	G09B-009/04		CIP of application US 92888375
					Div ex application US 9318950
					CIP of patent US 5366376
					Div ex patent US 5368484
US 5618179	A	38	G09B-009/04		Cont of application US 92888375
					Cont of patent US 5366376
US 5618178	A	20	G09B-019/04		CIP of application US 92888375
					Div ex application US 9318950
					CIP of patent US 5366376
					Div ex patent US 5368484

... simulates road and weather conditions in response to driver actions,  
displaying image and information on video display

...Abstract (Basic): of simulated input devices including turn signal lever (104), switches (105), accelerator pedal (108), gear change lever (110) and steering wheel (112) to control the simulated vehicle. A



video display (122) presents a **view** of a simulated environment to the user...

...The computer (114) determines position information based on the input devices, simulates **weather** conditions, time-of-day and simulates feedback response on the input devices. A route of...

...Abstract (Equivalent): a visual display configured to present a **view** of a simulated environment...

...display panel responsive to the stored input device states, said display panel providing a graphical **representation** of the input device states ...

...A low frequency sound system of a vehicle simulation system for simulating the physical sensation **representative** of the sensations produced during the operation of the simulated vehicle, comprising... calculating a haze **value** as...

...haze **value**  $= (z * kval) / dimval$  ...calculating a shade **value** as the dot product of a sun vector and the normal to the polygonal plane...

...indexing a dither table with the haze and **shade values** for dither **color** offsets...

...polygon wherein each color of the palette is associated with a different shade and haze **value** , said palette stored in the storage...

...a plurality of simulated **light** sources generated by the computer...

...a haze **value** determined by a dimming distance **value** (dimval) and a polygon distance (z) between an observer and the polygon...

...a shade **value representative** of the relationship between the **light** sources and a normal to the polygonal plane...

...a selector of color offsets into the color palette using the haze and shade **values** ;  
     ...a modifier to **change** the color of the polygon in response to the selected color offset and dither pattern...

...as to communicate through said brake pedal to a user in contact therewith a sensation **representative** of the sensation the user would experience during operation of an actual antilock braking system... information based on the input devices, atmospheric effects software to simulate time-of-day and **weather** conditions, and realistic operating feedback software for simulating on the input devices the feedback normally...

...device states indicative of input device position. A video display presents the user with a **view** of a simulated environment. A modelling unit is responsive to the input devices for determining...

...Title Terms: **WEATHER** ;  
 ?

22/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06533763 \*\*Image available\*\*  
POLYACETAL RESIN COMPOSITION

PUB. NO.: 2000-119486 [JP 2000119486 A]  
PUBLISHED: April 25, 2000 (20000425)  
INVENTOR(s): OKA MIKIO  
HIROYA MITSUMASA  
APPLICANT(s): ASAHI CHEM IND CO LTD  
APPL. NO.: 10-290196 [JP 98290196]  
FILED: October 13, 1998 (19981013)

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a polyacetal resin composition for improving **weather** resistance, thermal aging resistance, short-time heat stability, mold deposit resistance and **color shading** properties of a molding colored with a pigment by compounding an ultraviolet absorber containing benzotriazole series and a hindered amine series **light** stabilizer into a polyacetal resin.

SOLUTION: An ultraviolet absorber **represented** by the formula (wherein R1-R3 are each 1-10C alkyl) and another ultraviolet absorber other than the formula are used. As the ultraviolet absorber **represented** by the formula, 6-(2- benzotriazolyl)-4-t-octyl-6'-t-butyl-4'-methyl-2...

...ultraviolet absorber are 0.01-3 pts.wt., and loads of the hindered amine series **light** stabilizer are 0.01-1 pts.wt.

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22/3,K/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06209904  
SHEET STRESSING SENSE OF SHADE AND SHADOW

PUB. NO.: 11-151464 [JP 11151464 A]  
PUBLISHED: June 08, 1999 (19990608)  
INVENTOR(s): AKAZA TAISUKE  
APPLICANT(s): KIKUSUI KAGAKU KOGYO KK  
APPL. NO.: 09-335099 [JP 97335099]  
FILED: November 18, 1997 (19971118)

#### ABSTRACT

PROBLEM TO BE SOLVED: To **represent** depth and a sense of weight on a sheet even the sheet is thin by...

...not contacted of an uneven surface forming a split covering surface with paint of low **lightness** to color of a sheet base material or of deep color and low **lightness** to provide a difference in **lightness** or **hue** and a difference in **lightness** from the part with which the sphere of specified diameter is contacted.

SOLUTION: There are...

...of 0.1-100 mm diameter is not contacted is colored with paint of lower

**lightness** compared to base material color or of dense color and low **lightness** . The dense color paint or paint made to have low **lightness** consists essentially of a resin component and pigment components of colors such as white, black...

...blue and green. As the resin component, water soluble resin and emulsion resin excelling in **weather** resistance, water resistance, and yellowing resistance are selected and used. A part with which a...

... uneven surface forming the split covering surface is colored by once applying paint of dense **color** or **shade color** and, scraping it with waste cotton or the like before it is dried and cured. The shadow is artificially **represented** to produce a sheet having more three-dimensional effect and depth.

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22/3,K/3 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012875114 \*\*Image available\*\*

WPI Acc No: 2000-046947/200004

XRPX Acc No: N00-036507

**Personal color coding system for use in selecting and preparing color combinations which suit person's appearance**

Patent Assignee: SUZUKI K (SUZU-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11309016	A	19991109	JP 98153488	A	19980427	200004 B

Priority Applications (No Type Date): JP 98153488 A 19980427

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11309016	A		A45D-044/00	

**Personal color coding system for use in selecting and preparing color combinations which suit person's appearance**

Abstract (Basic):

... Each of four mounting papers (1) assume a color related to a **weather** season e.g. autumn. A **hue** ring (2) on the paper contain various skin colors (5). A pupil **color code** row (b), a lip **color code** row (c), a cheek **color code** row (d), and an eye **shadow color code** row (e) as well as a skin color filling in space (a), are enclosed by the **hue** ring.

... At least one skin color from the **hue** ring can be made compatible with the selected pupil, lip, cheek, and eye shadow colors according to the **weather** season as well as the user's preferences...

...The figure shows the plan **view** of a personal **color coding** system  
...

... **Hue** ring (2...

...Pupil **color code** row (b...

...Lip **color code** row (c...

...Cheek color code row (d...

...Eye shadow color code row (e)

22/3,K/4 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012674413 \*\*Image available\*\*  
WPI Acc No: 1999-480520/199941  
XRPX Acc No: N99-357856

**Lamp fitting consisting of several light impervious to light shaped body elements and at least one light permeable illuminating element**

Patent Assignee: DINNEBIER LICHT GMBH (DINN-N)  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 29909847	U1	19990812	DE 99U2009847	U	19990607	199941 B

Priority Applications (No Type Date): DE 99U2009847 U 19990607

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 29909847	U1	13	F21V-013/02	

**Lamp fitting consisting of several light impervious to light shaped body elements and at least one light permeable illuminating element**

Abstract (Basic):

... The lamp fitting consists of several **light** impermeable shaped body elements (1) and at least one **light** permeable illumination element (2), which are connectable with each other in layers, to a lamp body (4), having at least one **light** outlet region (3). So that, between respectively two adjacent shaped body elements (1), respectively at...

... Facilitates design required related to **light** direction and **shade**, also satisfies **colour**, decorative and aesthetic requirements as well as preventing damage due to **weather** conditions or vandalism  
...

...The figure 1 shows a schematic three dimensional **representation** of the **light** fitting...

... **Light** permeable elements (2

...Title Terms: **LIGHT** ;

22/3,K/5 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

007339377  
WPI Acc No: 1987-336383/198748  
XRAM Acc No: C87-143535

**Novel dye and ink paritc. useful for ink jet printing - prepd. by diazotising 2-amino-4,6-disulphonic acid, coupling with 4-hydroxy naphthalene-1-sulphonic acid and complexing with copper**

Patent Assignee: IMPERIAL CHEM IND PLC (ICIL ); CANON KK (CANO )  
Inventor: QUAYLE A; STEAD C V

Number of Countries: 008 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 247729	A	19871202	EP 87303686	A	19870507	198748 B
JP 63046259	A	19880227	JP 87114914	A	19870513	198814
US 4931550	A	19900605	US 8746200	A	19870505	199026
US 4994111	A	19910219	US 89443394	A	19891130	199128
EP 247729	B	19920122				199204
DE 3776195	G	19920305				199211

Priority Applications (No Type Date): GB 8617372 A 19860716; GB 8611637 A 19860513

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 247729	A		8		
Designated States (Regional): CH DE FR GB IT LI					
EP 247729	B				
Designated States (Regional): CH DE FR GB IT LI					

...Abstract (Basic): USE/ADVANTAGE - (I) has excellent **light** -fastness and adequate sensitivity on cellulosic materials esp. paper. It has good solubility in water...

...continuous recording workability. Good quality images are obtd. which have good resistance to water, solvent, **light**, **weather** and abrasion, and have excellent fixing properties. The ink is partic. suitable for use in...

...Abstract (Equivalent): USE/ADVANTAGE - Does not **block** capillary tubes or injecting orifices. Does not deteriorate with storage. Has good long term heat stability. Has good resistance to water, **light**, alcohol and **weather** with excellent **colour** density, **shade** and contrast...

...responsiveness and continuous recording workability; the prints have good resistance to water and alcohol and **light** fastness. (5pp)a

?

**23/3,K/1** (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

04702776 \*\*Image available\*\*  
SATELLITE PICTURE RECEIVER

PUB. NO.: 07-023376 [JP 7023376 A]  
PUBLISHED: January 24, 1995 (19950124)  
INVENTOR(s): WATANABE EISAKU  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 05-183351 [JP 93183351]  
FILED: June 30, 1993 (19930630)

ABSTRACT

... color sensor mounting satellite and a meteorological observation data signal HRPT from a meteorological satellite NOAA are caught by an antenna 1, divided and demodulated by a receiving part 2 and...

**23/3,K/2** (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

02247269 \*\*Image available\*\*  
IMAGE ANALYZING SYSTEM BY PERSONAL COMPUTER

PUB. NO.: 62-164169 [JP 62164169 A]  
PUBLISHED: July 20, 1987 (19870720)  
INVENTOR(s): SHIMIZU MASAO  
APPLICANT(s): SHIMIZU SYST KENKYUSHO KK [000000] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 61-005131 [JP 865131]  
FILED: January 16, 1986 (19860116)  
JOURNAL: Section: P, Section No. 652, Vol. 12, No. 2, Pg. 108, January 07, 1988 (19880107)

ABSTRACT

... picture data of a satellite obtained by an ultra high resolution radiometer AVHRR, etc., from NOAA is performed. The picture data stored in a disk 1 is read in at a...

**23/3,K/3** (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

016135918 \*\*Image available\*\*  
WPI Acc No: 2004-293794/200427  
XRPX Acc No: N04-233333

**Weather radio has controller which substantially controls receiver to receive one of frequencies based on preferred one of signal quality values**

Patent Assignee: CLARK J M (CLAR-I)  
Inventor: CLARK J M  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040048573	A1	20040311	US 2002236743	A	20020906	200427 B

Priority Applications (No Type Date): US 2002236743 A 20020906  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 20040048573 A1 11 H04B-015/00

Abstract (Basic):

... radio which is programmed to receive preferred channel and  
monitor national oceanic and atmospheric administration ( **NOAA** )  
weather transmission for local federal information processing system  
(FIPS) codes and other weather alert messages...

**23/3,K/4 (Item 2 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015301411 \*\*Image available\*\*  
WPI Acc No: 2003-362345/200334  
XRPX Acc No: N03-289380

**Warning notification system for school, industrial or military complex,  
assesses telephone line in response to national oceanographic and  
atmospheric administration warning signals received by receiver**

Patent Assignee: SEEGER S C (SEEG-I)  
Inventor: SEEGER S C  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030022684	A1	20030130	US 99118423	P	19990202	200334 B
			US 2000496553	A	20000202	
			US 2002263916	A	20021003	

Priority Applications (No Type Date): US 99118423 P 19990202; US 2000496553  
A 20000202; US 2002263916 A 20021003

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 20030022684 A1 9 H04B-007/00 Provisional application US 99118423  
CIP of application US 2000496553

Abstract (Basic):

... For providing emergency warning notification in response to  
national oceanographic and atmospheric administration ( **NOAA** ) through  
telephone, digital, cellular or other wireless communicator or  
electronic or digital messaging system in...

...By providing notification in response to national oceanographic and  
atmospheric administration ( **NOAA** ) signals, the potential loss of  
property and life are prevented...

**23/3,K/5 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013564656 \*\*Image available\*\*  
WPI Acc No: 2001-048863/200106  
XRPX Acc No: N01-037411

**Combination smoke detector and severe weather warning device, comprises  
alarm for detecting smoke or fire in immediate area and VHF FM radio for  
receiving severe weather broadcasts**

Patent Assignee: EDDINS D (EDDI-I); MASONE R (MASO-I); MASONE T (MASO-I)

Inventor: EDDINS D; MASONE R; MASONE T  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6121885	A	20000919	US 9881320	A	19980410	200106 B
			US 99286646	A	19990406	

Priority Applications (No Type Date): US 9881320 P 19980410; US 99286646 A 19990406

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6121885	A	6	G08B-017/10	Provisional application US 9881320

Abstract (Basic):

... radio (24) receives severe weather broadcasts and alerts from the National Oceanic And Atmospheric Administration ( **NOAA** ), from a remotely located transmitter. Different audible alarms are provided for the smoke detector and...

**23/3,K/6 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013083968 \*\*Image available\*\*  
WPI Acc No: 2000-255840/200022  
XRPX Acc No: N00-190188

**Characterizing atmospheric clouds in three dimensions from NOAA satellite observations**

Patent Assignee: BRAZOS EARTH SYSTEM SCI (BRAZ-N); LOCKHEED MARTIN MISSILES & SPACE CO (LOCK )

Inventor: HUTCHISON K D; TOPPING P C; WILHEIT T T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6035710	A	20000314	US 99321573	A	19990528	200022 B

Priority Applications (No Type Date): US 99321573 A 19990528

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6035710	A	14	G01W-001/00	

**Characterizing atmospheric clouds in three dimensions from NOAA satellite observations**

Abstract (Basic):

... microwave moisture sounder data spectral signal from the Advanced Very High Resolution Radiometer instrument in **NOAA** satellites is used to provide the cloud base height.

**23/3,K/7 (Item 5 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

012408020 \*\*Image available\*\*  
WPI Acc No: 1999-214128/199918  
Related WPI Acc No: 1996-433388; 1998-178982; 2000-255965; 2002-033133; 2002-706189  
XRAM Acc No: C99-063089

**New piperazine derivatives are muscarinic antagonists - useful for**



treatment of cognitive or neuro-degenerative disorders e.g. Alzheimer's disease and senile dementia

Patent Assignee: SCHERING CORP (SCHE )

Inventor: ASBEROM T; BARNETT A; BERGER J G; BROWNE M E; CHACKALAMANNIL S; CHANG W; CHEN L; CLADER J W; DUGAR S; GREEN M J; KOZLOWSKI J; LOWE D; MCCOMBIE S W; MCQUADE R; SHERLOCK M; TAGAT J R; TOM W; VACCARO W; VICE S F; YUGUANG W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5883096	A	19990316	US 95392697	A	19950223	199918 B
			US 95457712	A	19950602	
			US 96602403	A	19960216	

Priority Applications (No Type Date): US 96602403 A 19960216; US 95392697 A 19950223; US 95457712 A 19950602

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5883096	A		59	C07D-295/08	CIP of application US 95392697
					CIP of application US 95457712

...Abstract (Basic): naphthalenyl, cycloalkyl, cycloalkenyl, arylalkenyl, benzyl, polyhaloacyl, alkenylcarbonyl, alkylarylsulphonyl, alkylsulphonyl or arylsulphonyl; or R+X = Prot( **NOAA** )rNH; Prot = N-protecting group; r = 2-4; **NOAA** = naturally occurring amino acid; R1, R21 = e.g. alkyl, alkenyl, alkynyl, CN, aminoalkyl, alkoxycarbonyl, aminocarbonyl...

23/3,K/8 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

010400939 \*\*Image available\*\*

WPI Acc No: 1995-302252/199539

Related WPI Acc No: 1996-355005; 1998-413594

XRPX Acc No: N95-229476

**Modular emergency or weather alert interface system - includes signalling tone transmitted on communication system, receiver comprising detector to detect signalling tone and audible prerecorded alert message, having adjustable outgoing audio level**

Patent Assignee: GROPPER D R (GROP-I)

Inventor: GROPPER D R

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5444433	A	19950822	US 94207537	A	19940307	199539 B
CA 2143975	A	19950908	CA 2143975	A	19950306	199549
CA 2143975	C	19990504	CA 2143975	A	19950306	199936

Priority Applications (No Type Date): US 94207537 A 19940307

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5444433	A		12	G01W-001/00	
CA 2143975	C	E		H04B-007/00	
CA 2143975	A			H04B-007/00	

...Abstract (Basic): between United States Government's National Weather Service's (NWS) National Oceanic and Atmospheric Administration ( **NOAA** ) Weather Radio as first communication system and numerous secondary

32/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015856278 \*\*Image available\*\*  
WPI Acc No: 2004-014108/200402  
XRPX Acc No: N04-010579

**Infrared imaging system e.g. thermal imaging night vision system for motor vehicle, processes image signal by discerning intensity distribution of image signal and by mapping image signal into display signal**

Patent Assignee: VISTEON GLOBAL TECHNOLOGIES INC (VIST-N)

Inventor: MIYAHARA S

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2388988	A	20031126	GB 20037701	A	20030403	200402 B
DE 10324830	A1	20031224	DE 10324830	A	20030522	200402
US 20030218676	A1	20031127	US 2002154335	A	20020523	200402
JP 2003344167	A	20031203	JP 2003131317	A	20030509	200404
US 6759949	B2	20040706	US 2002154335	A	20020523	200444

Priority Applications (No Type Date): US 2002154335 A 20020523

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2388988	A		26	G06T-005/40	
DE 10324830	A1			H04N-005/33	
US 20030218676	A1			H04N-007/18	
JP 2003344167	A		6	G01J-005/48	
US 6759949	B2			B60Q-001/00	

... **e.g. thermal imaging night vision system for motor vehicle, processes image signal by discerning intensity distribution of image signal and by mapping image signal into display signal**

Abstract (Basic):

... infrared (FIR) camera arranged at the front end of a motor vehicle by calculating the **intensity** distribution of image signal, discerning the maximum **value** of **intensity** distribution, and by **mapping** image signal into display signal such that the display signal is thermally enhanced.

... system e.g. thermal imaging night vision system for motor vehicle, for enhancing visibility during **rain**, snow, fog and other inclement **weather** condition...

...Performs efficient visibility during specific **weather** condition by processing the image signal acquired from far-infrared camera arranged at the front...

...Title Terms: **INTENSITY** ;

...International Patent Class (Main): **G06T-005/40**

?

37/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013530406 \*\*Image available\*\*  
WPI Acc No: 2001-014612/200102  
Related WPI Acc No: 2001-569943; 2002-556185  
XRPX Acc No: N01-011018

Storm path projecting method involves driving storm position based on collected NEXRAD attributes calculating projected storm path, and determining which populated area falls within storm projection arc

Patent Assignee: BARON SERVICES INC (BARO-N)  
Inventor: BARON R O; BENSON T L; THOMPSON T S  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6125328	A	20000926	US 9736952	A	19970210	200102 B
			US 9821448	A	19980210	

Priority Applications (No Type Date): US 9736952 P 19970210; US 9821448 A 19980210

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6125328	A		11	G06F-019/00	Provisional application US 9736952

Storm path projecting method involves driving storm position based on collected NEXRAD attributes calculating projected storm path, and determining which populated area falls within storm projection arc

Abstract (Basic):

... Latitude and longitude position of storm is derived from group of attributes. A projected storm path and another selected group of attributes is computed. Projected storm path with projection arc defining the boundary is displayed as graphical representation. Retrieved populated area is compared with storm projection area to determine the areas that fall within storm projection arc.

... NEXRAD attributes corresponding to storm is collected and stored in a database. Geographical data including populated areas stored in secondary...

...An INDEPENDENT CLAIM is also included for a system using NEXRAD attributes to project a storm path...

...Used by national weather service for transmitting weather forecast and projecting storm path for graphical display...

...The user obtains storm tracking prediction by easy method of selecting the storm cell of interest and the storm position is displayed automatically. Hence the user is provided storm prediction information tailored to the user's own viewing area. The information in graphical presentation is highly accurate and precise at which time storms on other weather phenomenon arrives at given town or city in a geographical database...

...The figure shows diagram of the computer using NEXRAD attributes to product storm path...

Title Terms: STORM ;

?

41/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015657713 \*\*Image available\*\*  
WPI Acc No: 2003-719898/200368  
XRPX Acc No: N03-575458

Forecasting contest conducting method for predicting remaining stock  
amount, involves assigning ranking to participants submitting prediction  
data about same variable, based on overall prediction accuracy  
Patent Assignee: C4CAST.COM INC (CFOU-N)  
Inventor: FINDLAY M C ; JENNINGS W P ; KLEIN S A ; PHILLIPS G M ; RICE  
M E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6606615	B1	20030812	US 99391764	A	19990908	200368 B

Priority Applications (No Type Date): US 99391764 A 19990908

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6606615	B1	46	G06F-017/00	

Inventor: FINDLAY M C ...  
... JENNINGS W P ...

... KLEIN S A ...

... PHILLIPS G M ...

... RICE M E

Abstract (Basic):

... For conducting contests to submit forecast values of certain  
economic value changing variables over time, in sport, financial and  
remaining stock related fields...

?

File 348:EUROPEAN PATENTS 1978-2004/Sep W01

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040909,UT=20040902

(c) 2004 WIPO/Univentio

Set	Items	Description
S1	12956	(COLOR OR COLOUR) (3N) (CODED OR CODE OR CODING OR SHAD???)
S2	1526	S1(5N) (REPRESENT? OR VIEW OR BLOCK?? OR DIAGRAM? OR GRAPH?? OR CHART? OR MAP??)
S3	29	S2(3N) (HUE OR HUES OR BRIGHTNESS OR DARKNESS OR LIGHT?)
S4	33725	WEATHER OR STORM?? OR HURRICANE?
S5	779241	(DATA OR BAROMETRIC() PRESSURE? OR WINDS OR RAIN OR CENTER)
S6	159041	(S4 OR S5) (5N) (INTENSIT? OR SIGNIFICAN? OR VALUE?? OR MEAS- UREMENT?? OR CHANG? OR ALTER? OR PROGRESS? OR TREND??)
S7	0	S4(3N) TRACK?(3N) (PLOT OR PLOTS OR PLOTTING) (5N) (PROBABIL? - OR PREDICT?)
S8	222	(EXOGENOUS OR ECONOMIC) (3N) (VARIABLE?? OR VARIAT?)
S9	21599	STATISTIC? (3N) SIGNIFICAN?
S10	2	BAR(3N) GRAPH?? (5N) ASSET??
S11	481	AU=(PHILLIPS, G? OR PHILLIPS G? OR RICE, M? OR RICE M? OR - KLEIN, S? OR KLEIN S? OR JENNINGS, W? OR JENNINGS W? OR FINDL- AY, M? OR FINDLAY M?)
S12	11709	IC=G06T?
S13	19	NEXRAD
S14	0	S8(S) S9(S) S10
S15	4	S8(S) S9
S16	0	S11 AND S8
S17	13	S11 AND S9
S18	0	S17(S) S1
S19	0	S17(S) GRAPH?
S20	0	S17 AND S12
S21	1	S3(S) S6
S22	1	S21 NOT (S15 OR S17)
S23	0	S22 NOT LASER
S24	192	S4(3N) TRACK?
S25	3	S24(S) S1
S26	3	S25 NOT (S21 OR S15 OR S17)
S27	6	S24 AND S12
S28	6	S27 NOT (S25 OR S21 OR S15 OR S17)
S29	2	S13 AND S12
S30	2	S29 NOT (S25 OR S21 OR S15 OR S17)
S31	0	S13 AND S3
S32	7	S13 AND S1
S33	7	S32 NOT (S29 OR S25 OR S21 OR S15 OR S17)

10/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00878883 \*\*Image available\*\*

**PERSONAL FINANCIAL PLANNING**

**PLANIFICATION FINANCIERE PERSONNELLE**

**Patent Applicant/Assignee:**

FMR CORP, 82 Devonshire Street, Boston, MA 02109, US, US (Residence), --  
(Nationality), (For all designated states except: US)

**Patent Applicant/Inventor:**

DYER Kathy K, 524 Pearl Street, Reading, MA 01867, US, US (Residence), US  
(Nationality), (Designated only for: US)

WOLF Ralph Joseph, 36 Robbs Hill Road, Lunenburg, MA 01462, US, US  
(Residence), US (Nationality), (Designated only for: US)

PENANHOAT Eric Francois, 28 Village Lane, Scituate, MA 02066, US, US  
(Residence), FR (Nationality), (Designated only for: US)

FEINSCHREIBER Steven Andrew, 53 West Hodges Street, Norton, MA 02766-2600  
, US, US (Residence), US (Nationality), (Designated only for: US)

KEMP Deborah Ellen, 135 Pleasant Street #14, Arlington, MA 02476, US, US  
(Residence), US (Nationality), (Designated only for: US)

VAN HARLOW William, 255 Mattison Drive, Concord, MA 01742, US, US  
(Residence), US (Nationality), (Designated only for: US)

CHICKLES Colin Dean, Flat 6A/Tower 1, Hillsborough Court, 18 Old Peak  
Road, Hong Kong, CN, CN (Residence), US (Nationality), (Designated only  
for: US)

PETROSSO Kimberly Anne, 20 McCormick Drive, West Barnstable, MA 02668, US  
, US (Residence), US (Nationality), (Designated only for: US)

CONNOR Ellen Katrina, 325 Faneuil Street #2, Brighton, MA 02135, US, US  
(Residence), US (Nationality), (Designated only for: US)

GERSHENFELD Shari Frances, 283 Tappan Street, Brookline, MA 02445, US, US  
(Residence), US (Nationality), (Designated only for: US)

**Legal Representative:**

FEIGENBAUM David L (et al) (agent), Fish & Richardson P.C., 225 Franklin  
Street, Boston, MA 02110-2804, US,

**Patent and Priority Information (Country, Number, Date):**

Patent: WO 200213097 A2 20020214 (WO 0213097)

Application: WO 2001US24354 20010802 (PCT/WO US0124354)

Priority Application: US 2000631928 20000803

**Parent Application/Grant:**

Related by Continuation to: US 2000631928 20000803 (CON)

**Designated States:**

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 32525

**Fulltext Availability:**

Detailed Description

**Detailed Description**

... user's current strategy and

multiple investment return scenarios derived from the user's current **asset** allocation. For example, the **graph** 1502 shows a **bar** 1504 indicating a sixty-seven percent probability of funding the retirement goal.

20

The user...

10/3,K/2 (Item 2 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00877778

**TECHNIQUES FOR ILLUSTRATING AND ANALYZING COLLEGE SAVINGS PLANS**  
**TECHNIQUES PERMETTANT D'ILLUSTRER ET D'ANALYSER DES PLANS D'EPARGNE AU**  
**NIVEAU POST-SECONDAIRE**

Patent Applicant/Assignee:

MERRILL LYNCH & CO INC, 250 Vesey Street, New York, NY 10281, US, US  
(Residence), US (Nationality)

Inventor(s):

HEIGES Andrew, 4276 Milords Lane, Doylestown, PA 18901, US,  
KRON Robert, 1 Langfeldt Court, Franklin Park, NJ 08823, US,  
MONICAL Steven E, 24 Rosebay Court, Monmouth Junction, NJ 08852, US,

Legal Representative:

BARTHOLOMEW Steven R (agent), Hopgood, Calimafde, Judlowe & Mondolino, 60  
East 42nd Street, New York, NY 10165, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200211014 A2 20020207 (WO 0211014)  
Application: WO 2001US20040 20010621 (PCT/WO US0120040)  
Priority Application: US 2000620452 20000720

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA IN JP MX

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 9107

Fulltext Availability:

Detailed Description

Detailed Description

... the commencement of the educational savings plan and ending with graduation. The height of each **bar** in the **bar graph** is proportional to the amount of **assets** in the educational savings plan during a specific year. Note that the assets steadily increase...

?

15/3,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01555215

**Mammalian telomerase RNA component**  
**RNA-Komponente der Telomerase von Saugetieren**  
**Composante ARN de la telomerase de mammiferes**

**PATENT ASSIGNEE:**

GERON CORPORATION, (1733110), 200 Constitution Drive, Menlo Park, CA  
94025, (US), (Applicant designated States: all)

**INVENTOR:**

Villeponteau, Bryant, 1371 Greenbrier Road, San Carlos, CA 94070, (US)  
Feng, Junli, 1371 Greenbrier Road, San Carlos, CA 94070, (US)  
Funk, Walter, 4858 Mendota Street, Union City, CA 94587, (US)  
Andrews, William H., 1340 Antelope Valley Road, Remp, NV 89506-7319, (US)

**LEGAL REPRESENTATIVE:**

Williams, Richard Andrew Norman (77491), Hepworth Lawrence Bryer & Bizley  
Merlin House Falconry Court Bakers Lane, Epping, Essex CM16 5DQ, (GB)

PATENT (CC, No, Kind, Date): EP 1293565 A2 030319 (Basic)  
EP 1293565 A3 040512

APPLICATION (CC, No, Date): EP 2002080023 950706;

PRIORITY (CC, No, Date): US 272102 940707; US 330123 941027; US 472802  
950607; US 482115 950607

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;  
NL; PT; SE

**RELATED PARENT NUMBER(S) - PN (AN):**

EP 778842 (EP 95925552)

INTERNATIONAL PATENT CLASS: C12N-015/11; C12N-015/54; C12N-009/12;  
C12Q-001/68; C12N-005/10; A61K-031/70; C12N-015/00; A01K-067/027;  
A61K-031/7105; A61P-035/00; C12N-009/00; A61K-048/00

ABSTRACT WORD COUNT: 19

**NOTE:**

Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200312	1135
SPEC A	(English)	200312	27782
Total word count - document A			28917
Total word count - document B			0
Total word count - documents A + B			28917

...SPECIFICATION In an embodiment, candidate telomerase modulating agents are identified by their ability to produce a **statistically significant** reduction or increase in transcription of a reporter polynucleotide sequence (e.g., (beta)-galactosidase gene...

...telomerase RNA component gene in the chromosomal locus of the endogenous gene. In an alternative **variation**, an **exogenous** polynucleotide comprising a reporter polynucleotide is operably linked to a mammalian telomerase RNA component gene...

...location and/or is maintained or replicated as an episomal polynucleotide. Agents which produce a **statistically significant** transcriptional modulation of the reporter polynucleotide in cells treated with the agent are thereby identified...telomerase RNA component gene in the chromosomal locus of the endogenous gene. In an alternative **variation**, an **exogenous** polynucleotide comprising a reporter polynucleotide is operably linked to a mammalian telomerase RNA component



gene...

...location and/or is maintained or replicated as an episomal polynucleotide. Agents which produce a **statistically significant** transcriptional modulation of the reporter polynucleotide in cells treated with the agent are thereby identified...

15/3,K/2 (Item 1 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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01056423 \*\*Image available\*\*

**DERIVATIVES HAVING DEMAND-BASED, ADJUSTABLE RETURNS, AND TRADING EXCHANGE THEREFOR**

**PRODUITS DERIVES PRESENTANT DES RENDEMENTS AJUSTABLES BASES SUR LA DEMANDE ET ECHANGES COMMERCIAUX ASSOCIES**

Patent Applicant/Assignee:

LONGITUDE INC, 650 Fifth Avenue, New York, NY 10019, US, US (Residence),  
US (Nationality)

Inventor(s):

LANGE Jeffrey, 3 East 84th Street, Apt. 3, New York, NY 10028, US,  
BARON Kenneth, 51 West 86th Street, Apt. 602, New York, NY 10024, US,

Legal Representative:

WEISS Charles A (et al) (agent), Kenyon & Kenyon, One Broadway, New York,  
NY 10004, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200385491 A2-A3 20031016 (WO 0385491)

Application: WO 2003US7990 20030313 (PCT/WO US03007990)

Priority Application: US 2002115505 20020402

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG  
SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 136258

Fulltext Availability:

Claims

Claim

... auctions on economic statistics provide participants with a means of taking a direct view on **economic variables**, rather than the indirect approach employed currently. (2) Risk management for real economic activity. State...

...3 9: CoMorate Events

Corporate actions and announcements are further examples of events of economic **significance** which are usually unhedgable or uninsurable in traditional markets but which can be effectively structured...

15/3,K/3 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00994559

DIGITAL OPTIONS HAVING DEMAND-BASED, ADJUSTABLE RETURNS, AND TRADING  
EXCHANGE THEREFOR

OPTIONS NUMERIQUES A RETOURS AJUSTABLES BASEES SUR LA DEMANDE ET BOURSE  
D'ECHANGES COMMERCIAUX AFFERENTE

Patent Applicant/Assignee:

LONGITUDE INC, 650 Fifth Avenue, New York, NY 10019, US, US (Residence),  
US (Nationality)

Inventor(s):

LANGE Jeffrey, 3 East 84th Street, Apt. 3, New York, NY 10028, US,

Legal Representative:

WEISS Charles A (et al) (agent), Kenyon & Kenyon, One Broadway, New York,  
NY 10004, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200323575 A2 20030320 (WO 0323575)

Application: WO 2002US30309 20020909 (PCT/WO US0230309)

Priority Application: US 2001950498 20010910

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 122079

Fulltext Availability:

Claims

Claim

... the racing horses, for example). The difference between games of  
chance and events of economic **significance** is well known and understood  
in financial markets. In summary, the present invention provides systems  
...auctions on economic statistics provide  
participants with a means of taking a direct view on **economic  
variables** , rather than the indirect approach employed currently. (2)  
Risk management for real economic activity. State...may mean that  
statistical estimates used for MCS simulation can only be supported with  
low **statistical** confidence. In such cases, assumptions can be employed  
regarding the statistical correlations between the market...rate data as  
described above. As the default probability ranges between 0 and 1, a  
**statistical** distribution confined to this interval is chosen for  
purposes of this illustration. For example, for...in the distribution so  
arranged. For example, a CCAR value corresponding to a  
Zp  
95% **statistical** confidence level can be computed by reference to 95 th  
percentile of the loss distribution...

15/3,K/4 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00319327

**MAMMALIAN TELOMERASE**  
**TELOMERASE MAMMIFERE**

Patent Applicant/Assignee:

GERON CORPORATION,  
VILLEPONTEAU Bryant,  
FENG Junli,  
FUNK Walter,  
ANDREWS William H,

Inventor(s):

VILLEPONTEAU Bryant,  
FENG Junli,  
FUNK Walter,  
ANDREWS William H,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9601835 A1 19960125

Application: WO 95US8530 19950706 (PCT/WO US9508530)

Priority Application: US 94272102 19940707; US 94330123 19941027; US  
95472802 19950607; US 95482115 19950607

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP  
KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ  
TM TT UA UG US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU  
MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 30496

Fulltext Availability:

Detailed Description

Detailed Description

... In an embodiment, candidate telomerase modulating  
agents are identified by their ability to produce a  
**statistically significant** reduction or increase in  
transcription of a reporter polynucleotide sequence (e.g.,  
galactosidase gene, luciferase...

...telomerase RNA component gene in the chromosomal  
locus of the endogenous gene, In an alternative **variation** ,  
an **exogenous** polynucleotide comprising a reporter  
polynucleotide is operably linked to a mammalian telomerase  
RNA component gene...

...location and/or is maintained or replicated as an  
episomal polynucleotide, Agents which produce a  
**statistically significant** transcriptional modulation of the  
reporter polynucleotide in cells treated with the agent are  
thereby identified...In an embodiment, candidate telomerase modulating  
agents are identified by their ability to produce a  
**statistically significant** reduction or increase in  
transcription of a reporter polynucleotide sequence (e.g.,  
galactosidase gene, luciferase...

...telomerase RNA component gene in the chromosomal  
locus of the endogenous gene, In an alternative **variation** ,

an **exogenous** polynucleotide comprising a reporter polynucleotide is operably linked to a mammalian telomerase RNA component gene...

...location and/or is maintained or replicated as an episomal polynucleotide. Agents which produce a **statistically significant** transcriptional modulation of the reporter polynucleotide in cells treated with the agent are thereby identified...

?

26/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00925578 \*\*Image available\*\*

**NAVIGATION AID**

**AIDE A LA NAVIGATION**

Patent Applicant/Assignee:

UPWIND TECHNOLOGIES, 6786 Hawthorn Park Drive, Indianapolis, IN, US, US  
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Inventor(s):

SELIG Stanley, 6501 Meadowlark Drive, Indianapolis, IN 46226, US,  
HUBBARD Anthony, 351 West 63rd Street, Indianapolis, IN 46260, US,

Legal Representative:

KENEMORE Max (agent), 6788 Hawthorn Park Drive, Indianapolis, IN 46220,  
US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200259636 A2-A3 20020801 (WO 0259636)

Application: WO 2002US3164 20020127 (PCT/WO US0203164)

Priority Application: US 2001247264 20010127

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AU CA JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7805

Fulltext Availability:

Detailed Description

Detailed Description

... top view in Fig. 4), which became known as the "tactical compass",  
used two superimposed **color - coded** systems to give the skipper  
accurate upwind tacking data. The inner system, a series of...

...the headed, incorrect, tack to the mean wind. The outer reference bars  
used the same **color coding** but relied upon the skipper visually  
sighting down the reference bars to see if the...

...to the mean wind and the closest tack to the weather mark. The use of  
**color - coding** indicators allowed a sailor with low experience level to  
tack correctly in shifting winds. Several...better view the card on the  
compass. What each system lacked was a way of **tracking** the **weather**  
mark. None of patents that came after the Selig patent took advantage of  
the **color - coding** red and green arcs. While they provided a means for  
tacking up the mean wind...

26/3,K/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00490042 \*\*Image available\*\*

**METHOD OF DETECTING ATMOSPHERIC WEATHER CONDITIONS**

**PROCEDE DE DETECTION DE CONDITIONS METEOROLOGIQUES**

Patent Applicant/Assignee:

FLIGHT SAFETY TECHNOLOGIES INC,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9921394 A1 19990429

Application: WO 98US18589 19980904 (PCT/WO US9818589)

Priority Application: US 97955282 19971021

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AU BA BB BR BY CA CN CU CZ EE GE HR HU ID IL JP KP KR LC LK LR LT LV  
MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU GH GM KE LS MW SD  
SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE  
IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 10896

Fulltext Availability:

Detailed Description

Detailed Description

... which processes the beam  
information to simultaneously derive accurate three-dimensional  
detection, classification, localization and **trackinu** of the hazardous  
**weather** conditions at stand-off distance B. Processed beams I 10 are  
then transmitted to a pilot visible display panel 1 12 which may indicate  
sonic-contact Intensity ill **color coded** form displayed against  
varlous 2-dimensional contour plots involvino pair wise combinations of  
the azilnUth...

26/3,K/3 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00217935

**STORM ALERT FOR EMERGENCIES**

**SYSTEME D'ALERTE A LA TEMPETE**

Patent Applicant/Assignee:

GANZER Larry R,  
FESSLER Michael A,  
LAUGHLIN Daric G,

Inventor(s):

GANZER Larry R,  
FESSLER Michael A,  
LAUGHLIN Daric G,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9215160 A1 19920903

Application: WO 92US968 19920204 (PCT/WO US9200968)

Priority Application: US 91502 19910219

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT AU BB BE BF BG BJ BR CA CF CG CH CI CM CS DE DK ES FI FR GA GB GN GR  
HU IT JP KP KR LK LU MC MG ML MN MR MW NL NO PL RO RU SD SE SN TD TG

Publication Language: English

Fulltext Word Count: 8304

Fulltext Availability:

Detailed Description

Detailed Description

... the crossing of area borders 31 to  
determine areas 4 to be alerted, A projected **storm track**

may be drawn in a similar manner on the map 26 with the alert computer...

...advisable

to provide visual indications of the areas and alert types selected, such as by **color coding** and blinking alerted areas and to provide manual override to correct for possible anomalies in...

?

28/3,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

00851989

**Virtual reality imaging system**  
**Bildsystem fur virtuelle Realitat**  
**Systeme d'imagerie en realite virtuelle**

PATENT ASSIGNEE:

UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH, (1441770), P.O. Box 3000  
, Boulder, CO 80307-3000, (US), (applicant designated states:  
AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Myers, William Loring, 533-22nd street, Boulder, Colorado 80302, (US)

LEGAL REPRESENTATIVE:

Goodanew, Martin Eric et al (31082), MATHISEN, MACARA & CO. The Coach  
House 6-8 Swakeleys Road, Ickenham Uxbridge UB10 8BZ, (GB)

PATENT (CC, No, Kind, Date): EP 785532 A2 970723 (Basic)  
EP 785532 A3 980729

APPLICATION (CC, No, Date): EP 97300245 970116;

PRIORITY (CC, No, Date): US 587222 960116

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;  
MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: **G06T-015/10**

ABSTRACT WORD COUNT: 175

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9707W4	1558
SPEC A	(English)	9707W4	18289
Total word count - document A			19847
Total word count - document B			0
Total word count - documents A + B			19847

INTERNATIONAL PATENT CLASS: **G06T-015/10**

...SPECIFICATION in an aviation weather application. Additional data  
acquisition apparatus can include lightning detectors, gust front  
**tracking** systems, **weather** radar to identify the presence and locus of  
storm cells and precipitation, icing condition detection...

28/3,K/2 (Item 2 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

00765567

**VIRTUAL REALITY IMAGING SYSTEM**  
**BILDDARSTELLUNGSSYSTEM FUR VIRTUELLE REALITAT**  
**SYSTEME DE PRODUCTION D'IMAGES DE REALITE VIRTUELLE**

PATENT ASSIGNEE:

UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH, (1441770), P.O. Box 3000  
, Boulder, CO 80307-3000, (US), (Proprietor designated states: all)

INVENTOR:

MYERS, William, Loring, 533 22nd Street, Boulder, CO 80502, (US)

LEGAL REPRESENTATIVE:

Goodanew, Martin Eric et al (31082), MATHISEN, MACARA & CO. The Coach  
House 6-8 Swakeleys Road, Ickenham Uxbridge UB10 8BZ, (GB)

PATENT (CC, No, Kind, Date): EP 780009 A1 970625 (Basic)



EP 780009 B1 010328  
WO 9607988 960314  
APPLICATION (CC, No, Date): EP 95933036 950908; WO 95US11223 950908  
PRIORITY (CC, No, Date): US 302640 940908  
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;  
NL; PT; SE

INTERNATIONAL PATENT CLASS: G06T-015/10

NOTE:

No A-document published by EPO  
LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200113	888
CLAIMS B	(German)	200113	848
CLAIMS B	(French)	200113	1038
SPEC B	(English)	200113	17056
Total word count - document A			0
Total word count - document B			19830
Total word count - documents A + B			19830

INTERNATIONAL PATENT CLASS: G06T-015/10

...SPECIFICATION in an aviation weather application. Additional data acquisition apparatus can include lightning detectors, gust front **tracking** systems, **weather** radar to identify the presence and locus of storm cells and precipitation, icing condition detection...

28/3,K/3 (Item 3 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

00620713

VIRTUAL REALITY IMAGING SYSTEM AND METHOD  
BILDSYSTEM UND VERFAHREN FUR VIRTUELLE REALITAT  
SYSTEME ET METHODE D'IMAGERIE EN REALITE VIRTUELLE

PATENT ASSIGNEE:

UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH, (1441770), P.O. Box 3000  
, Boulder, CO 80307-3000, (US), (applicant designated states:  
AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

MYERS, William, Loring, 533 22nd Street, Boulder, CO 80302, (US)

LEGAL REPRESENTATIVE:

Goodanew, Martin Eric et al (31082), MATHISEN, MACARA & CO. The Coach  
House 6-8 Swakeleys Road, Ickenham Uxbridge UB10 8BZ, (GB)

PATENT (CC, No, Kind, Date): EP 663091 A1 950719 (Basic)

EP 663091 B1 980225

WO 9408312 940414

APPLICATION (CC, No, Date): EP 93922393 930927; WO 93US9128 930927

PRIORITY (CC, No, Date): US 955309 921001

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;  
NL; PT; SE

INTERNATIONAL PATENT CLASS: G06T-015/10

NOTE:

No A-document published by EPO  
LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9809	2233
CLAIMS B	(German)	9809	2441
CLAIMS B	(French)	9809	2464

SPEC B (English) 9809 15080  
Total word count - document A 0  
Total word count - document B 22218  
Total word count - documents A + B 22218

INTERNATIONAL PATENT CLASS: G06T-015/10

...SPECIFICATION in an aviation weather application. Additional data acquisition apparatus can include lightning detectors, gust front tracking systems, weather radar to identify the presence and locus of storm cells and precipitation, icing condition detection...

28/3,K/4 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01041508 \*\*Image available\*\*

**METHOD AND APPARATUS FOR SHORT-TERM PREDICTION OF CONVECTIVE WEATHER  
PROCEDE ET APPAREIL DE PREVISION A COURT TERME DE TEMPS CONVECTIF**

Patent Applicant/Assignee:

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 Massachusetts Avenue,  
Cambridge, MA 02139, US, US (Residence), US (Nationality), (For all  
designated states except: US)

Patent Applicant/Inventor:

WOLFSON Marilyn, 10 Pond View Drive, Acton, MA 01720, US, US (Residence),  
US (Nationality), (Designated only for: US)

JOHNSON Richard, 113 Old Mill Road, Harvard, MA 01451, US, US (Residence)  
, US (Nationality), (Designated only for: US)

FORMAN Barbara, 29 Lanewood Avenue, Framingham, MA 01701, US, US  
(Residence), US (Nationality), (Designated only for: US)

DUPREE William, 118 West Main Street, Westborough, MA 01581, US, US  
(Residence), US (Nationality), (Designated only for: US)

THERIAULT Kim E, 123 Noons Quarry Road, Milford, NH 03055, US, US  
(Residence), US (Nationality), (Designated only for: US)

BOLDI Robert, 250 Hudson Road, Sudbury, MA 01776, US, US (Residence), US  
(Nationality), (Designated only for: US)

WILSON Carol, 3 Billings Street, Acton, MA 01720, US, US (Residence), US  
(Nationality), (Designated only for: US)

HALLOWELL Robert G, 6 Chaucer Road, Nashua, NH 03062, US, US (Residence),  
US (Nationality), (Designated only for: US)

DELANOY Richard L, 490 Great Road, Apt. 2L, Acton, MA 01720, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

CAPRARO Joseph A Jr (agent), Testa, Hurwitz & Thibeault LLP, High Street  
Tower, 125 High Street, Boston, MA 02110, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200371486 A1 20030828 (WO 0371486)

Application: WO 2003US4840 20030219 (PCT/WO US0304840)

Priority Application: US 200279995 20020219

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG  
SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI  
SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 11123

Main International Patent Class: **G06T-007/20**  
Fulltext Availability:  
Detailed Description

Detailed Description

... the detected irriage(s) to a vector (enerator 91 0 which, 1 11 turn,  
generates **tracking** vectors for each **storm** feature detected within the  
received ii-nage. The vector generator 91 0 provides the tracking...

**28/3,K/5** (Item 2 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00937210 \*\*Image available\*\*  
**SPORT ANALYSIS SYSTEM AND METHOD**  
**PROCEDE ET SYSTEME D'ANALYSE POUR LE SPORT**

Patent Applicant/Assignee:

PROZONE HOLDINGS LIMITED, 34 Roundhay Road, Leeds LS7 1LY, GB, GB  
(Residence), GB (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

MYLVAGANAM Ram, Chestnut House, The Ridge, Linton, Wetherby LS22 4HJ, GB,  
GB (Residence), GB (Nationality), (Designated only for: US)

RAMSAY Neil, 45 Potterton Lane, Barwick In Elmet, Leeds LS15 4DU, GB, GB  
(Residence), GB (Nationality), (Designated only for: US)

DE GRACA Frederic, 24 Elmtree Close, Colton, Leeds LS15 9JE, GB, GB  
(Residence), FR (Nationality), (Designated only for: US)

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200271334 A2-A3 20020912 (WO 0271334)

Application: WO 2002GB998 20020306 (PCT/WO GB0200998)

Priority Application: GB 20015421 20010306

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 11936

Main International Patent Class: **G06T-007/20**  
Fulltext Availability:  
Detailed Description

Detailed Description

... image data will be the  
pitch. A single reference image can be used throughout

auto- **tracking** . Alternatively, if the **weather** conditions change significantly during a game, eg from bright sunshine to cloudy or if the...

28/3,K/6 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00325480 \*\*Image available\*\*

**VIRTUAL REALITY IMAGING SYSTEM**

**SYSTEME DE PRODUCTION D'IMAGES DE REALITE VIRTUELLE**

Patent Applicant/Assignee:

UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH,

Inventor(s):

MYERS William Loring,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9607988 A1 19960314

Application: WO 95US11223 19950908 (PCT/WO US9511223)

Priority Application: US 94302640 19940908

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 18007

Main International Patent Class: **G06T-015/10**

Fulltext Availability:

Detailed Description

Detailed Description

... in an aviation weather application.

Additional data acquisition apparatus can include lightning detectors, gust front **tracking** systems, **weather** radar to identify the presence and locus of storm cells and precipitation, icing condition detection...

?

30/3,K/1 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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01041508 \*\*Image available\*\*

**METHOD AND APPARATUS FOR SHORT-TERM PREDICTION OF CONVECTIVE WEATHER  
PROCEDE ET APPAREIL DE PREVISION A COURT TERME DE TEMPS CONVECTIF**

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200371486 A1 20030828 (WO 0371486)  
Application: WO 2003US4840 20030219 (PCT/WO US0304840)  
Priority Application: US 200279995 20020219

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG  
SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI  
SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 11123

Main International Patent Class: G06T-007/20

Fulltext Availability:

Detailed Description

Detailed Description

... as the ASR-9, Terminal Doppler Weather Radar (TDWIZ) or the Next  
Generation Weather Radar ( NEXRAD ). The satellite 106 can include a  
satellite system such as the Geostationary Operational Environmental

30/3,K/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00332993 \*\*Image available\*\*

**APPARATUS AND METHOD FOR CONSTRUCTING A MOSAIC OF DATA  
SYSTEME ET PROCEDE DE REALISATION D'UNE MOSAIQUE DE DONNEES**

Patent Applicant/Assignee:

UNISYS CORPORATION,

Inventor(s):

LOGAN Mark J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9615504 A2 19960523

Application: WO 95US14479 19951103 (PCT/WO US9514479)

Priority Application: US 94334292 19941104

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

BR CA CN FI JP KR MX NO RU SG AT BE CH DE DK ES FR GB GR IE IT LU MC NL  
PT SE

Publication Language: English

Fulltext Word Count: 20026

Main International Patent Class: G06T-011/00

Fulltext Availability:

Detailed Description

Detailed Description

... the U.S.A. There is a national weather  
radar network consisting of the new **NEXRAD** WSR088D weather  
surveillance Doppler radars and the preexisting WSR057 and  
WSR074 non...the config.exe program.

Located in the local directory.)

OUTPUT FILES CRZATEDt

CR4.???.LUT (Maps **NEXRAD** Composite Ref products to 4x4km grid.

There must be one for each **NEXRAD** site,) The ???  
represents the **NEXRAD** site id number.

```
#include <math.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>;
short grld.id;
coords;
#define MAX SITES 200
long sit*Ikey a (24680);
short nexrad site (1)1
short rrwde Zito (21;
short yes W@ (1);
short no a (0...J=MIN.NUM; J<num.sitesi J++)
if( (site file contents(j) it:.flag no nexrad site)&&
(site@file@contents(jj::it build lut no )ies)
Initialize the temporary array with...
```

...element\*

This array is used to determine where holes exist in the

```

initial mapping of NEXRAD data bins to the national mosaic,
for (tx=MIN.X; tx<TMP.X.SIZZ.CR41...

...adar.deg;
Print the site id and radar latitude/longitude.

(void)printf("filef %3,3d NEXRAD site: %3,3d
",J,site.file.contento(j),Bits.id);
(void)printf(" radar l&t...done because this is the region
which must be checked for \"holes\" left by mapping NEXRAD bins to
the grid, Firstj loop through the temporary array in the x direction*
for...

...that latitude longitude position
to an xry position in kmos from the radar in
the NEXRAD coordinate system.

local 'coords->phi value = phi.deg;
local-coordm->lam& value = lamda dog;
local...bin.x<PR.BINS.CR4; bin.x++)
For the current bins which in in the NEXRAD
coordinate system, determine the latitude longitude,
local coords->x = bin X;
local.coords->y = bin...

...did not already receive a bin, For each of those
grid coordinates, find the closest NEXRAD data bin and "map" it to
the grid This is where the holes are filled, Additional entries
are made to the look up table for each set of NEXRAD bin,row and
corresponding grid x0y coordinates.

for (tx=MIN.X; tx<TMP.X.SIZE...
...For a valid grid x,y coordinate, convert the
latitude/longitude to the corresponding (closest)
NEXRAD data bin (store in: bin.x, bin.y).

local coords@>phi.value m phijag;
local...km2latlon
Description.

Thin routine converts the x and y distance of an "object" in
the NEXRAD plane to the corresponding latitude and longitude
values in degrees.

/* .....

phi radar dog "Radar" latitude...nex latlon2km
Description.

This routine converts the latitude and longitude of an "object" in
the NEXRAD plans to the x and y components of distance
in kilometers.

/* ----- Input parameters -----
double phi...I.coords
short bin x. biny;
int statui;
double zx,zy;
double rangel
Extract the NEXRAD data bin coordinates from the l coords structure,

```

```

bin x = 1 coords->x;
bin:y...returned,
if(ran(je<max.rangs)
PcTfUS95/14479
This handles the coordinates located within the NEXRAD coverage
area, Assign the xry components of distance to the l.coords array.

coords->dx...

...latitude/longitude of the point with the following
routine which converts xfy distances in the NEXRAD plane to
latitude longitude (in degrees).

status = nex km2latlon( I.coordo
if(status)
/* This handles...contents from the configuration
file, That provides a list of sites and indicates which are NEXRAD
and which are active (to be used in the mosaic),
num sites = site file headerenum...

...request from the configuration file
data,
site.id = site.file.contents(fl.site.id;
Process NEXRAD data here. Request composite reflectivity,
prod.id a 38;
Find a path to the latest...
?
```



33/3,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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01331872

Method and apparatus for downlink communication resource control  
Verfahren und Gerat zur Steuerung der Abwärtsstrecken-kommunikationsbetrieb  
smittel

Methode et appareil de commande des ressources de communications  
descendante

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 1137198 A2 010926 (Basic)  
EP 1137198 A3 020626

APPLICATION (CC, No, Date): EP 2001106764 010317;

PRIORITY (CC, No, Date): US 535254 000323

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04B-007/204

ABSTRACT WORD COUNT: 105

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200139	438
SPEC A	(English)	200139	3206
Total word count - document A			3644
Total word count - document B			0
Total word count - documents A + B			3644

...SPECIFICATION beacon signal. The second is to monitor sources such as  
the National Weather Service or **NEXRAD** radar service or other available  
sources to determine an attenuation level if a predetermined cell...  
comprise a map and sections showing the various cells. Each cell may, for  
example, be **color coded** with different colors depending on the amount  
of attenuation present in the cell. In operation...color depending on the  
weather status.

Referring now to Figure 3, one example of a **color coding** scheme is  
illustrated. In this table, a clear sky condition that is derived from  
the...

...NOC 16 may communicate to satellite a change in the power table and a  
new **color code** may be displayed on display 42.

Referring now to Figure 4, an operational flow diagram...

...any overhead on the transmission system.

An example of a suitable radar source is the **NEXRAD** which consists of

approximately 140 radar sites in the continental United States that are operated...

...methods such as that described by E. Wolf, et al in the art cited. The **NEXRAD** system continuously scans the skies and reports information which may be received by NOC 16...

33/3,K/2 (Item 2 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00958122

**FROZEN PRECIPITATION ACCUMULATION ALERT SYSTEM**

**MELDESYSTEM FUR AKKUMULATION GEFRORENEN NIEDERSCHLAGS**

**SYSTEME D'ALERTE POUR PRECIPITATION SOLIDES**

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 938688 A1 990901 (Basic)

EP 938688 B1 030129

WO 98021609 980522

APPLICATION (CC, No, Date): EP 97946673 971114; WO 97US20839 971114

PRIORITY (CC, No, Date): US 749508 961115

DESIGNATED STATES: AT; CH; DE; DK; FI; FR; GB; LI; NL; SE

INTERNATIONAL PATENT CLASS: G01W-001/14; G01W-001/02

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200305	462
CLAIMS B	(German)	200305	484
CLAIMS B	(French)	200305	570
SPEC B	(English)	200305	5502
Total word count - document A			0
Total word count - document B			7018
Total word count - documents A + B			7018

...SPECIFICATION that directly influence surface conditions in and around target area 100. A NEXt generation RADar ( **NEXRAD** ) is a typical weather radar used to collect data indicative of meteorological structure at 1... about 30 minutes past to about 30 minutes future. The multiple grid data view is **color coded** to indicate various precipitation rates across target area 100 using rate indicators 409-415. Precipitation...

...time 423 with the present time 424 in between Time on the graph can be **color coded** to show age of the data. The graph 406 shows a precipitation accumulation at a...

33/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
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01000979

THE PFN/TRAC SYSTEM<sup>sup</sup>TM FAA UPGRADES FOR ACCOUNTABLE REMOTE AND ROBOTICS  
CONTROL TO STOP THE UNAUTHORIZED USE OF AIRCRAFT AND TO IMPROVE  
EQUIPMENT MANAGEMENT AND PUBLIC SAFETY IN TRANSPORTATION  
PERFECTIONNEMENTS FAA AU SYSTEME PFN/TRAC<SP>MD</SP> POUR LE CONTROLE  
RESPONSABLE A DISTANCE ET ROBOTIQUE POUR L'ELIMINATION DE L'UTILISATION  
NON AUTORISEE D'AERONEFS ET POUR L'AMELIORATION DE LA GESTION  
D'EQUIPEMENT ET DE LA SECURITE PUBLIQUE DANS LE DOMAINE DU TRANSPORT

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

WALKER Richard C, 11201 Spur Wheel Lane, Potomac, MD 20854, US, US  
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Legal Representative:

DONNER Irah H (et al) (agent), Hale and Dorr LLP, 1455 Pennsylvania  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200329922 A2 20030410 (WO 0329922)

Application: WO 2002US30857 20021001 (PCT/WO US0230857)

Priority Application: US 2001325538 20011001; US 2001330085 20011019

Designated States:

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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CZ DE DK DM DZ EC  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL  
TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 133713

Fulltext Availability:

Detailed Description

Detailed Description

... are scrambled and the appropriate level of Homeland security is  
increased to the appropriate level ( **Color code** and how it applies to  
everyone for this event to be determined). Specifically, not just...  
issues and those responsible for signing security procedures and  
protocols into law for a flexible **color code** to rate the nations  
security state. The TRACKer can be programmed to do this if...informative  
and robust with remote control and robotics. They will give the new  
national threat **color code** system real protective power. Via,  
proactive homeland security operating in concert with the citizen and...  
homeland security FBI to be agency factored and nationally factored to  
increase or decrease security **color code** a long with resulting in the  
appropriate response by all contacted  
agencies)

Further communication systems...data to and from your aircraft. Imagine  
hooking up to the internet for the latest **NexRad** weather updates, or  
checking on the latest airport conditions and flight advisory services.  
Imagine updating...determine the correct procedures and protocols for

PFN/TRAC/ Fact programming to match the national **color** codes and how to inform the public of these diminished rights of privacy and how...

33/3,K/4 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00840364 \*\*Image available\*\*

**DIRECT BROADCAST IMAGING SATELLITE SYSTEM APPARATUS AND METHOD  
SYSTEME APPAREIL ET PROCEDE A DIFFUSION DIRECTE EN TEMPS REEL DE  
SURVEILLANCE CONTINUE DU GLOBE A PARTIR D'ORBITES GEOSTATIONNAIRES, ET  
SERVICES ASSOCIES**

Patent Applicant/Assignee:

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VA 22314, US, US (Residence), US (Nationality)

Inventor(s):

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HEWINS Michael, 107 Golden Gate Avenue, Belvedere, CA 94920, US,

Legal Representative:

LYTLE Bradley (et al) (agent), Oblon, Spivak, McClelland, Maier &  
Neustadt, P.C., 4th Floor, 1755 Jefferson Davis Highway, Arlington, VA  
22202, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200174081 A1 20011004 (WO 0174081)

Application: WO 2001US8630 20010329 (PCT/WO US0108630)

Priority Application: US 2000192893 20000329; US 2000205155 20000518; US  
2000218683 20000717

Designated States:

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prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS  
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 25974

Fulltext Availability:

Detailed Description

Detailed Description

... diffuse mirrors of solar radiation and therefore appear white with variations of brightness seen as **shades** of gray. **Color**, enhancing the contrast and visibility of the Earth's surface background, may actually detract from...computer (or processor) employed in the ground terminal 308 is configured to receive **NEXRAD** and NOAA Doppler radar data for combination with the high temporal, high spatial resolution imagery...

...Service 19nowcast" service) than if the information from the two data sources were not combined.

**NEXRAD** data is available for use either in raw form (for subsequent processing by an end user) or in image form. In one embodiment the data is received through the **NEXRAD** Information Dissemination Service, which

supplies the data to the ground terminal 308 by way of the Internet. Alternatively, end users directly receive the **NEXRAD** data and high temporal, high spatial resolution imagery data provided by the geostationary satellite according...

...by the geostationary satellite according to the present invention. In this case, the higher resolution **NEXRAD** portion appears as a "focus spot" in the larger AstroVision satellite visual image, where the...

33/3,K/5 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00552857 \*\*Image available\*\*

**AVIATION, TERRAIN AND WEATHER DISPLAY SYSTEM**

**SYSTEME D'AFFICHAGE DE DONNEES AERONAUTIQUES, METEOROLOGIQUES ET DE TERRAIN**

Patent Applicant/Assignee:

ARATOW Michael,  
SIMON Robert S,

Inventor(s):

ARATOW Michael,  
SIMON Robert S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200016230 A1 20000323 (WO 0016230)

Application: WO 99US21150 19990915 (PCT/WO US9921150)

Priority Application: US 98100777 19980917; US 99282047 19990329

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE  
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK  
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU  
ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE  
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN  
GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 7541

Fulltext Availability:

Detailed Description

Detailed Description

... analysis data; radar summary data; significant weather prognostic data; and satellite imagery (e.g. GOES, **NEXRAD** ). This database can be populated by any future reporting or forecasting data products and translated...by altitude, water density, etc.

by methods inherent to the imaging system used (e.g. **NEXRAD** , GOES-9) such as **color - coding** the cloud in proportion to water content (e.g. **NEXRAD** ) or other similar technique (see Figure 5E for a specific example of a **NEXRAD** image).

9

Figure 5C depicts the ball bearing-like representation of temperature, wind and pressure...

...enlargement of one of the types of displays shown in Figure 5B which depicts a **NEXRAD** weather image to assist the user in identifying local weather conditions. Figure 5F depicts an...

33/3,K/6 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00435842 \*\*Image available\*\*

**3-D WEATHER DISPLAY AND WEATHERCAST SYSTEM**  
**SYSTEME D'AFFICHAGE 3D ET DE PREVISION METEOROLOGIQUE**

Patent Applicant/Assignee:

MILLER Richard L,

Inventor(s):

MILLER Richard L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9826306 A1 19980618

Application: WO 96US19539 19961209 (PCT/WO US9619539)

Priority Application: WO 96US19539 19961209

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP MX AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 5539

Fulltext Availability:

Detailed Description

Detailed Description

... the mid 1970's, "color-radar" was introduced, which differentiates areas of precipitation using a **color - coding** scheme. Patches of heavy rain, snow or hail are all depicted the same way: in...for the use of these eleven products and, in order to receive the latest radar ( **NEXRAD** ) information from a particular site, a private individual or company would first have to install...

33/3,K/7 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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**FROZEN PRECIPITATION ACCUMULATION ALERT SYSTEM**  
**SYSTEME D'ALERTE POUR PRECIPITATION SOLIDES**

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Detailed Description

#### Detailed Description

... surface conditions in and around 1 0 target area 1 00. A NEXt generation RADar ( **NEXRAD** ) is a typical weather radar used to collect data indicative of atmospheric structure at I...about 30 minutes past to about 30 minutes future. The multiple grid data view is **color coded** to indicate various precipitation rates across target area 100 using rate indicators 409 Precipitation rate...time 423 with the present time 424 in between. Time on the graph can be **color coded** to show age of the data. The graph 406 shows a precipitation accumulation at a...

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